Shahriar Rahman

A graduate from North South University on Computer Science and Engineering, with a primary focus on machine learning, deep learning and data science. I have also published two papers, one on the prediction of Solar Radiation by utilizing Artificial Neural Networks, and another on an automated detection of Cardiac Arrhythmia using a hybrid CNN-LSTM model, achieving state-of-the-art result. In addition to my research experience, I have 6 years of professional experience as a software and data engineer.

Dhaka, Bangladesh

+880 1758371412

shahriarrahman1101@gmail.com

github.com/shahriar-rahman

linkedin.com/in/shahriar-rahman-05804521b/

researchgate.net/profile/Shahriar-Rahman-8

EDUCATIONS

2009 – High School Diploma
(Willes Little Flower)

2010 - Ordinary Level (Private)
2015 - Advanced Level
(Academia School)

2021 - Bachelor of Science
(North South University)

LANGUAGES

English: Fluent
Bangla: Native

INTERESTS

- Programming
- Research
- Journals
- Conference
- Discussions and Debate
- Video Games

CORE SKILLS AND PROFICIENCIES

- **Languages:** Python, Java, C++, SQL, PHP, CLIP
- **Frameworks** Scikit-Learn, Tensorflow, Keras, Pytorch, Laravel, Selenium, Scrapy, Beautiful Soup
- **Database** SQL
- **Web Development** HTML, PHP, CSS
- **Skills** Research, Machine Learning, Deep Learning, Optimization, Data Engineering, Data Analysis, Web Scraping, Data Mining, Software Design

NOTABLE RESEARCH AND PROJECTS

- Automated Detection of Cardiac Arrhythmia based on a Hybrid CNN-LSTM Network
- Forecasting GHI and DNI using SVR and ANN based on Correlation Analysis, RFE and PCR
- Prediction of Solar Radiation using Artificial Neural Network
- A Case study of Solar Irradiation using various Machine Learning Models
- Precise Diagnosis of Parkinson's Disease using an ensemble of Neural Networks
- Ultrasonic Rangefinder using Microprocessor interfacing and embedded system
- Weather Detection Station using Internet of Things
- Sentiment Analysis System
- Travel Agency System
- A Comparative Analysis of Amazon Book Ratings using Collaborative Filtering
- Prediction of Compressive Strength using Multi-Layered Perceptron
- Exploratory Data Analysis on Smart Home System
- Exploratory Data Analysis on Amazon Books Reviews
- Web Scraping Audible using Selenium Webdriver
- Amazon User Product Scraping using Scrapy
- Using Scrapy to scrape Crypto Stocks data in Finance

PUBLICATIONS

- Automated Detection of Cardiac Arrhythmia based on a Hybrid CNN-LSTM Network
- Prediction of Solar Radiation Using Artificial Neural Network

NOTABLE CERTIFICATIONS

- Neural Networks and Deep Learning (Coursera)
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization (Coursera)
- IELTS: 7.0
- Neural Network from Scratch in TensorFlow (Coursera)
- Convolutional Neural Networks (Coursera)
- Deep Learning with PyTorch: Generative Adversarial Network (Coursera)
- Exploratory Data Analysis with Seaborn Graphic Exploratory Data Analysis with Seaborn (Coursera)
- Basic Image Classification with TensorFlow
- Web Scraping with Python (Great Learning)
- Predicting House Prices with Regression using TensorFlow (Coursera)